

#### Abstract of the Disclosure

An apparatus for separation of a fluid flow flowing through a pipeline into a light fraction and a heavier fraction has a tubular casing (2) arranged to constitute a section of the pipeline proper, a spin element (5) for rotation of the fluid flow at the upstream end of the casing (2), and a discharge element (12) downstream of the spin element (5) having openings (13) for discharge of the light fraction and possibly entrained heavier fraction. The apparatus also has a control separator (25) connected to the discharge element (12) and arranged to separate entrained heavier fraction from the light fraction, and a control system including a level transmitter (42) indicating the level of separated heavier fraction in the separator, and a level control unit (43) connected to the level transmitter (42) and to a drain valve (40, 41) in a separator outlet (28) for the light fraction.